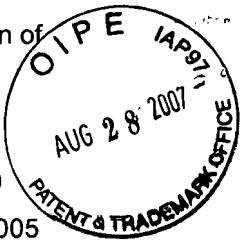


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty GRT-4662-341
Dkt.

C# M#

TC/A.U. 1652

Examiner: M.A. Walicka

IAP12 Rec'd PCT/PTO 28 AUG 2007

PEL et al.

Serial No. 10/522,389

Filed: January 25, 2005

Date: August 28, 2007

Title: GENES FROM PROPIONIBACTERIUM FREUDENREICHII ENCODING ENZYMES
INVOLVED IN VITAMIN B12 BIOSYNTHESIS

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

RESPONSE/AMENDMENT/LETTER

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

 Correspondence Address Indication Form Attached.**Fees are attached as calculated below:**

Total effective claims after amendment	44	minus highest number			
previously paid for	39	(at least 20) =	5 x \$50.00	\$250.00 (1202)/\$125.00 (2202)	\$ 250.00
Independent claims after amendment	2	minus highest number			
previously paid for	3	(at least 3) =	0 x \$200.00	\$0.00 (1201)/\$0.00 (2201)	\$

If proper multiple dependent claims now added for first time, (ignore improper); add
\$360.00 (1203)/\$180.00 (2203) \$

Petition is hereby made to extend the current due date so as to cover the filing date of this
 One Month Extension \$120.00 (1251)/\$60.00 (2251)
 Two Month Extensions \$450.00 (1252)/\$225.00 (2252)
 Three Month Extensions \$1020.00 (1253)/\$510.00 (2253)
 Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)
 Five Month Extensions \$2160.00 (1255)/\$1080.00 (2255) \$ 1590.00

Terminal disclaimer enclosed, add
\$130.00 (1814)/ \$65.00 (2814) \$

Applicant claims "small entity" status. Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee	\$180.00 (1806)	\$ 0.00
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Assignment Recording Fee	\$40.00 (8021)	\$ 0.00
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Other:	\$	0.00
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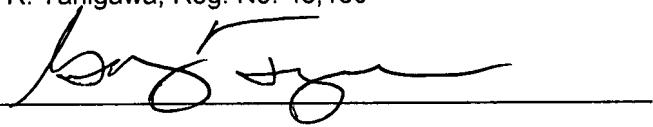
TOTAL FEE \$ 1840.00

 CREDIT CARD PAYMENT FORM ATTACHED.

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

901 North Glebe Road, 11th Floor
 Arlington, Virginia 22203-1808
 Telephone: (703) 816-4000
 Facsimile: (703) 816-4100
 GRT:ap

NIXON & VANDERHYE P.C.
 By Atty: Gary R. Tanigawa, Reg. No. 43,180

Signature: 

08/30/2007 GFREY1 00000122 10522389

01 FC:1615	250.00 0P
02 FC:1254	1590.00 0P



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

PEL et al.

Appln. No. 10/522,389

Filed: January 25, 2005

Confirmation No. 8008

Atty. Ref.: 4662-341

T.C. / Art Unit: 1652

Examiner: M.A. Walicka

FOR: GENES FROM *PROPIONIBACTERIUM FREUDENREICHII* ENCODING
ENZYMES INVOLVED IN VITAMIN B12 BIOSYNTHESIS

* * *

RESPONSE TO RESTRICTION REQUIREMENT

August 28, 2007

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed March 28, 2007, entry and consideration of the following amendments and remarks are respectfully requested.

The **claims** are presented on pages 2-10.

Claims 6-8, 19, 29-31, 33 and 40-41 are amended.

Claims 42-46 are added.

Remarks begin on page 10.